British Gas Coal & Lurgi Coal Conventional **RDF Pellets Gasifier** Gas Cleanup 2 MW Gas-Polishing & Product Fuel Cell Gas Moisturization Gas 0, Slipstream Cooler Oxygen Fuel Plant Gas Combustor **Alternative Natural Gas Line** Grate Tars, Generator Oils, Nato & Parti-Combustor culates Air Sulfur Steam Recovery Gas Turbine Hot Steam Heat Recovery Gas Tars, Oils, Steam & Parti-Exhaust Oxygen Generator culates Gas Frit Gas Liquor Separator + Aqueous Effluent Stack Steam Steam Generator Sulfur By-Product To Market Steam Turbine

"Gasification Island" - BGL Process and High-Temperature Molten Carbonate Fuel Cell

Source: NETL 2001. "Power Island" - Combined Cycle Units

Figure 3.1.1-1. Concept Layout and Process Flow of the Kentucky Pioneer IGCC Demonstration Project Facility